



**California Integrated Waste Management Board
Environmental Field Sampling Training
DQO Worksheet
September 2006**

Scenario

An old buried dump in a rural area is reported to your agency for investigation. The location of the dump on the 3 acre area is obvious and a preliminary pothole investigation indicates the presence of only general construction debris. A few subsurface soil samples indicated that the contamination was below cleanup standards. However, a stream with salmon spawning habitat runs within 10 feet of the dump and reduced fry production has been documented for the past. No other sources of water pollution are identified upstream. See site map on board.

Step 1: State the problem

Problem:

Team:

Resources: N/A

Step 2: Identify the Goals of the Study

Principal Study Question:

Alternative Actions:

Decision Statement:

Step 3: Identify Informational Inputs



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Step 4: Define the Boundaries of the Study

Population of Interest:

Spatial:

Temporal:

Step 5: Develop the Analytic Approach

Population of Parameter:

“If, then, else” Decision Rule:

Step 6: Specify Performance or Acceptance Criteria

Statistical Test:

Step 7: Develop the Plan for Obtaining Data